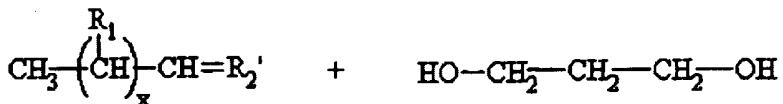


*Refiled*  
*PW*

In the Claims

Claims 1-49 (canceled).

*5052.* (Currently amended) A process to produce a branched alcohol composition comprising: contacting an olefin composition having an average carbon number in the range of 3 to 18 having the formula



where R<sub>1</sub> represents hydrogen or a hydrocarbyl group having from 1 to 3 carbon atoms, R<sub>2</sub>' represents a hydrocarbyl group having from 1 to 7 carbon atoms where the linkage with the CH group is by double bond, and x is a number ranging from 0 to 16, with 1,3-propane diol in the presence of a catalyst effective to react the olefin with the diol under conditions effective to produce the branched alcohol composition.

*51*  
*5153.* (Currently amended) The process of claim 5052 wherein the catalyst is an acid catalyst selected from the group consisting of Bronsted acids, Lewis acids, Friedel-Crafts catalysts, zeolites, and ion exchange resins.

*52*  
*5254.* (Currently amended) The process of claim 5153 wherein the average carbon number of the olefin composition is in the range of 6 to 18.

*53*  
*5355.* (Currently amended) The process of claim 5153 wherein the diol and olefin is contacted at a temperature within the range of from 50 °C to 250°C.

*54*  
*5456.* (Currently amended and withdrawn) A process to produce a branched alkyl ether sulfate composition comprising:

- a) contacting an olefin having an average carbon number in the range of 3 to 18 with 1,3-propane diol in the presence of a catalyst effective to react the olefin with the diol thereby producing a branched alcohol composition; and
- b) contacting the branched alcohol composition with a sulfating agent under conditions effective to produce a branched alkyl ether sulfate composition.